

ABSTRACT OF THE DISCLOSURE

A rotor blade for a rotor assembly is provided that includes a root, an airfoil, and a damper. The airfoil has a length, a base, a tip, a first side wall, a second side wall, and at least one cavity. The length extends the base and the tip. The at least one cavity is disposed between the side walls, and the channel is defined by a first wall portion and a second wall portion. The damper, which is selectively received within the channel, includes a first bearing surface, a second bearing surface, a forward surface, and an aft surface, all of which extend lengthwise. At least one of the surfaces is shaped to form a lengthwise extending passage within the channel. The passage has a flow direction oriented along the length of the at least one surface to permit cooling air travel along the at least one surface in a lengthwise direction. According to one aspect of the present invention, the damper has an arcuate lengthwise extending centerline.